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THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Masayoshi NOGUCHI et al.
Serial No. : 10/088,179
Filed : July 19, 2001
For : DIGITAL SIGNAL ENCODING APPARATUS AND
METHOD, DIGITAL SIGNAL DECODING APPARATUS
AND METHOD, AND DIGITAL SIGNAL
TRANSMITTING SYSTEM
Group A.U. : 2817

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Jay H. Maioli Date
Reg. No. 27,213 Aug. 11, 2004

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INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR § 1.97(c)

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure set forth in 37 CFR § 1.53 and in keeping with the guidelines of 37 CFR 1.98, Applicants hereby submit information thought to be relevant to the examination of the above-identified application. Also submitted herewith is a completed form PTO-

Best Available Copy

1449.

This information was cited in a European Search Report dated July 7, 2004, and it is hereby certified that this disclosure is being made within three months of that date.

Applicants, through their undersigned attorney, hereby certify that, unless submitted herewith, no English language translation is presently available to those individuals identified in 37 CFR § 1.56(c) for any non-English language references(s) cited.

United States Patent 5,835,042, Ichimura et al., relates to a signal transmission method and apparatus for transmitting a $\Sigma\Delta$ modulated 1-bit signal for enabling the transmission of a high-quality digital signal wherein analog audio signal components are suppressed at the time of the transmission of the $\Sigma\Delta$ modulated 1-bit signal.

United States Patent 5,319,735, Preuss et al., relates to a system for embedding a code signal in an audio signal in a manner such that the composite signal is not readily distinguishable from the original audio signal by listening and the code signal cannot be readily removed or obscured without simultaneously degrading the quality of the audio signal.

PCT Application WO 00/30101, Linnartz et al., relates to a method and arrangement for embedding and extracting supplemental data such as watermarks in an information signal

such as audio and video signals.

Japanese Patent Application 10-233687, Yokinori, relates to signal translation equipment which can efficiently transmit a digital signal by 1-bit coding obtained by a $\Delta\Sigma$ modulation circuit.

Respectfully submitted,

COOPER & DUNHAM LLP

A handwritten signature in black ink, reading "Jay H. Maioli". The signature is written in a cursive style with a large, stylized "M".

Jay H. Maioli
Reg. No. 27,213

JHM/JBG
Encl.

